

Report Date.: 09/25/98 3:09 PM  
Request.....: MA98-5  
Submitter....: E. Chambers/C. Callicutt  
Request Type: inh  
Activity : T00107

Reported By...: Peters, Linda W.  
Date Submitted: 08/13/98  
Date Received.: 08/13/98  
Date Completed: 08/25/98  
Approved By...: Peters, Linda W.

Description.: NONE - TO TEST BRANDS FOR MASSACHUSETTS COMPLIANCE

| Test Categories/Tests        | MR4B   |         |        |    | ML6    |         |        |     |
|------------------------------|--------|---------|--------|----|--------|---------|--------|-----|
|                              | Target | Average | StdDev | N  | Target | Average | StdDev | N   |
| Smoke                        |        |         |        |    |        |         |        |     |
| FTC Butt Length, mm          |        | 26.0    |        |    |        | 34.0    |        |     |
| MA Tar, mg/cigt.             |        | 29.5    | 1.18   | 20 |        | 22.0    | 0.86   | 18  |
| MA TPM, mg/cigt.             |        | 47.7    | 2.26   | 20 |        | 33.4    | 1.69   | 18  |
| MA Nicotine, mg/cigt.        |        | 1.99    | 0.054  | 20 |        | 1.55    | 0.061  | 18  |
| MA Water, mg/cigt.           |        | 16.21   | 1.352  | 20 |        | 9.84    | 1.005  | 18  |
| MA Puffs/Cigt.               |        | 11.0    | 0.36   | 20 |        | 10.8    | 0.22   | 18  |
| Tar/Puff, mg                 |        | 2.7     |        |    |        | 2.0     |        |     |
| MA CO, mg/cigt.              |        | 25.0    | 1.07   | 18 |        | 24.2    | 1.26   | 19  |
| TX pH in Whole Smoke         |        | 5.2     | 0.00   | 2  |        | 5.1     | 0.06   | 2   |
| Filter                       |        |         |        |    |        |         |        |     |
| Tipping Paper Length, mm     |        | 22.8    | 0.18   | 20 |        | 31.0    | 0.11   | 20  |
| Ventilation, %               |        | 11      | 2.2    | 98 |        | 25      | 2.7    | 100 |
| Filler                       |        |         |        |    |        |         |        |     |
| Tobacco Weight, g            |        | 0.700   | 0.0021 | 2  |        | 0.675   | 0.0021 | 2   |
| (1)Total Alkaloids, mg/cigt. |        | 12.54   | 0.078  | 2  |        | 12.24   | 0.170  | 2   |
| (1)OV After Grinding, %      |        | 10.8    | 0.04   | 2  |        | 10.9    | 0.03   | 2   |

  

| Test Categories/Tests        | ML6M   |         |        |    | MRU6B  |         |        |     |
|------------------------------|--------|---------|--------|----|--------|---------|--------|-----|
|                              | Target | Average | StdDev | N  | Target | Average | StdDev | N   |
| Smoke                        |        |         |        |    |        |         |        |     |
| FTC Butt Length, mm          |        | 34.0    |        |    |        | 35.0    |        |     |
| MA Tar, mg/cigt.             |        | 20.9    | 0.98   | 20 |        | 15.8    | 0.79   | 18  |
| MA TPM, mg/cigt.             |        | 30.7    | 1.67   | 20 |        | 22.3    | 1.10   | 18  |
| MA Nicotine, mg/cigt.        |        | 1.52    | 0.065  | 20 |        | 1.12    | 0.037  | 18  |
| MA Water, mg/cigt.           |        | 8.32    | 0.876  | 20 |        | 5.38    | 0.651  | 18  |
| MA Puffs/Cigt.               |        | 10.5    | 0.30   | 20 |        | 9.5     | 0.28   | 18  |
| Tar/Puff, mg                 |        | 2.0     |        |    |        | 1.7     |        |     |
| MA CO, mg/cigt.              |        | 20.7    | 1.12   | 20 |        | 19.7    | 0.92   | 18  |
| TX pH in Whole Smoke         |        | 5.1     | 0.03   | 2  |        | 5.0     | 0.04   | 2   |
| Filter                       |        |         |        |    |        |         |        |     |
| Tipping Paper Length, mm     |        | 31.2    | 0.30   | 20 |        | 31.7    | 0.59   | 20  |
| Ventilation, %               |        | 23      | 2.9    | 99 |        | 41      | 3.3    | 100 |
| Filler                       |        |         |        |    |        |         |        |     |
| Tobacco Weight, g            |        | 0.655   | 0.0035 | 2  |        | 0.631   | 0.0010 | 2   |
| (1)Total Alkaloids, mg/cigt. |        | 11.90   | 0.156  | 2  |        | 11.70   | 0.007  | 2   |
| (1)OV After Grinding, %      |        | 10.4    | 0.01   | 2  |        | 10.6    | 0.04   | 2   |

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| Test Categories/Tests        | MRM6   |         |        |    | ML8    |         |        |     |
|------------------------------|--------|---------|--------|----|--------|---------|--------|-----|
|                              | Target | Average | StdDev | N  | Target | Average | StdDev | N   |
| Smoke                        |        |         |        |    |        |         |        |     |
| FTC Butt Length, mm          |        | 34.0    |        |    |        | 39.0    |        |     |
| MA Tar, mg/cigt.             |        | 23.5    | 1.12   | 20 |        | 23.5    | 0.89   | 19  |
| MA TPM, mg/cigt.             |        | 36.7    | 2.06   | 20 |        | 32.0    | 1.49   | 19  |
| MA Nicotine, mg/cigt.        |        | 1.59    | 0.062  | 20 |        | 1.65    | 0.041  | 19  |
| MA Water, mg/cigt.           |        | 11.55   | 1.201  | 20 |        | 6.87    | 0.724  | 19  |
| MA Puffs/Cigt.               |        | 10.6    | 0.34   | 20 |        | 13.0    | 0.32   | 19  |
| Tar/Puff, mg                 |        | 2.2     |        |    |        | 1.8     |        |     |
| MA CO, mg/cigt.              |        | 23.9    | 1.41   | 20 |        | 26.5    | 0.77   | 19  |
| TX pH in Whole Smoke         |        | 5.0     | 0.00   | 2  |        | 5.1     | 0.03   | 2   |
| Filter                       |        |         |        |    |        |         |        |     |
| Tipping Paper Length, mm     |        | 31.1    | 0.08   | 20 |        | 36.1    | 0.26   | 20  |
| Ventilation, %               |        | 15      | 3.1    | 98 |        | 30      | 2.7    | 100 |
| Filler                       |        |         |        |    |        |         |        |     |
| Tobacco Weight, g            |        | 0.673   | 0.0035 | 2  |        | 0.803   | 0.0028 | 2   |
| (1)Total Alkaloids, mg/cigt. |        | 11.93   | 0.007  | 2  |        | 14.38   | 0.021  | 2   |
| (1)OV After Grinding, %      |        | 10.9    | 0.03   | 2  |        | 11.2    | 0.01   | 2   |

| Test Categories/Tests        | ML8MB  |         |        |    | MRM8B  |         |        |     |
|------------------------------|--------|---------|--------|----|--------|---------|--------|-----|
|                              | Target | Average | StdDev | N  | Target | Average | StdDev | N   |
| Smoke                        |        |         |        |    |        |         |        |     |
| FTC Butt Length, mm          |        | 39.0    |        |    |        | 39.0    |        |     |
| MA Tar, mg/cigt.             |        | 22.0    | 1.39   | 19 |        | 26.0    | 0.76   | 19  |
| MA TPM, mg/cigt.             |        | 29.8    | 2.28   | 19 |        | 36.9    | 1.69   | 19  |
| MA Nicotine, mg/cigt.        |        | 1.54    | 0.085  | 19 |        | 1.85    | 0.071  | 19  |
| MA Water, mg/cigt.           |        | 6.30    | 0.985  | 19 |        | 9.06    | 1.012  | 19  |
| MA Puffs/Cigt.               |        | 12.6    | 0.28   | 19 |        | 12.3    | 0.38   | 19  |
| Tar/Puff, mg                 |        | 1.7     |        |    |        | 2.1     |        |     |
| MA CO, mg/cigt.              |        | 26.5    | 1.20   | 19 |        | 26.6    | 1.60   | 19  |
| TX pH in Whole Smoke         |        | 5.1     | 0.05   | 2  |        | 5.1     | 0.02   | 2   |
| Filter                       |        |         |        |    |        |         |        |     |
| Tipping Paper Length, mm     |        | 36.0    | 0.37   | 20 |        | 36.0    | 0.09   | 20  |
| Ventilation, %               |        | 34      | 3.4    | 99 |        | 17      | 3.7    | 100 |
| Filler                       |        |         |        |    |        |         |        |     |
| Tobacco Weight, g            |        | 0.778   | 0.0078 | 2  |        | 0.789   | 0.0014 | 2   |
| (1)Total Alkaloids, mg/cigt. |        | 13.57   | 0.007  | 2  |        | 14.20   | 0.177  | 2   |
| (1)OV After Grinding, %      |        | 10.6    | 0.01   | 2  |        | 11.1    | 0.01   | 2   |

#### Notations:

MR4B - MARLBORO KSF B  
ML6 - MARLBORO LTS KSF  
ML6M - MARLBORO LTS KSF M  
MRU6B - MARLBORO ULTRA LTS KSF B

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MRM6 - MARLBORO MEDIUM KSF

ML8 - MARLBORO LTS 100

ML8MB - MARLBORO LTS 100 M B

MRM8B - MARLBORO MEDIUM 100 B

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MR4B - Value #34 rejected--improper cigarette insertion.

MR4B - Data values flagged as outlier by Dixon (25 vent&amp;29.32,28.28 CO)

ML6 - Data values flagged as outliers by dixon

MRU6B - Lighter failure-Smoke data (tpm, puff count) used bad port program.

All related ports rejected. (group 811 run#8). Run#10, port#7 lucite  
not sealed properly cause leak all related data rejected.

MRM6 - Value #57 was rejected-- broken cigarette.

MRM6 - Value #57 was rejected-- broken cigarette.Value #63 rejected --  
improper cigarette insertion.

ML8 - Lighter failure-Smoke data(tpm,puff count) used bad port program.

All related ports rejected.

ML8MB - Value #53 rejected--improper cigarette insertion.

ML8MB - Lighter failure-Smoke data (tpm, puff count) used bad port program.

All related ports rejected. (group 811 run#8).

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CC:

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